

CLAIMS

1. A card device comprising a card case formed by combining an upper cover and a lower cover, a circuit board disposed in the inner space of the card case, and an antenna rotatably disposed on the outside of the card case and electrically connected to a circuit formed on the circuit board, wherein a through-hole for inserting an antenna rotating shaft formed of a conductive material on the base end of the antenna from the outside into the inside of the card case in a direction along the surface of the circuit board is formed in a side wall of the card case, a part for supporting the antenna rotating shaft is formed on the inner wall surface of the card case such that an inner portion, which is inserted through the through-hole into the inside of the card case, of the antenna rotating shaft is supported within the card case in such a manner that the inner portion of the antenna rotating shaft is apart from the circuit board and is freely rotatable, a feed terminal having elasticity is disposed between the inner portion, which is located inside the card case, of the antenna rotating shaft and an area, which faces the inner portion of the antenna rotating shaft, of the circuit board such that the elasticity of the feed terminal provides an urging force against the inner portion of the antenna rotating shaft, the feed terminal is fixed to an antenna connection part of the circuit formed in the area, which faces the antenna rotating shaft, of the circuit board such that the feed terminal is electrically

connected to the circuit of the circuit board, and the feed terminal is urged by the urging force so as to be maintained in contact with the antenna rotating shaft.

2. The card device according to Claim 1, wherein the feed terminal is disposed between the side wall, in which the through-hole for inserting the antenna rotating shaft is formed, of the card case and the part for supporting the antenna rotating shaft such that the feed terminal is urged into contact with the inner portion of the antenna rotating shaft.

3. The card device according to Claim 1, further comprising antenna rotation position holding means for holding the antenna rotation adjustment position by using friction.

4. The card device according to Claim 1, wherein the part for supporting the antenna rotation shaft is formed on the inner surface of the upper cover whereby the antenna rotating shaft is rotatably supported to the upper cover, the circuit board is fixed to the lower cover, and the feed terminal of the circuit board fixed to the lower cover is urged into contact with the antenna rotating shaft supported to the upper cover by combining the lower cover and the upper cover.

5. The card device according to Claim 1, wherein one of the upper cover and the lower cover has an extending wall formed so as to extend along the outer surface of the side wall of the other cover, a hook is formed on the end of the extending wall, a hook receiving part for receiving the hook to achieve a firm

connection between the hook and the hook receiving apart is formed on the other cover, and the upper cover and the lower cover are assembled by firmly engaging the hook of the one cover with the hook receiving part of the other cover.